author	Sagi Grimberg <sagi@grimberg.me>	2022-11-14 08:45:02 +0200
committer	Greg Kroah-Hartman <gregkh@linuxfoundation.org>	2022-11-26 09:27:39 +0100
commit	65710ea51d4a185592c7b14c9e33d0c4a364f074 (patch)	
tree	107878d793b0266e2688ef85dce94af255e24c36	
parent	5809fb03942dbac25144db5bebea84fa003ecaca (diff)	
download	linux-65710ea51d4a185592c7b14c9e33d0c4a364f074.tar.gz	

nvmet: fix a memory leak in nvmet_auth_set_key

```
[ Upstream commit 0a52566279b4ee65ecd2503d7b7342851f84755c ]

When changing dhchap secrets we need to release the old
secrets as well.

kmemleak complaint:
--
unreferenced object 0xffff8c7f44ed8180 (size 64):
  comm "check", pid 7304, jiffies 4295686133 (age 72034.246s)
  hex dump (first 32 bytes):
    44 48 48 43 2d 31 3a 30 30 3a 4c 64 4c 4f 64 71  DHHC-1:00:LdLOdq
    79 56 69 67 77 48 55 32 6d 5a 59 4c 7a 35 59 38  yVigwHU2mZYLz5Y8
  backtrace:
    [<00000000b6fc5071>] kstrdup+0x2e/0x60
    [<00000000f0f4633f>] 0xffffffffc0e07ee6
    [<0000000053006c05>] 0xffffffffc0dff783
    [<00000000419ae922>] configfs_write_iter+0xb1/0x120
    [<000000008183c424>] vfs_write+0x2be/0x3c0
    [<000000009005a2a5>] ksys_write+0x5f/0xe0
    [<00000000cd495c89>] do_syscall_64+0x38/0x90
    [<00000000f2a84ac5>] entry_SYSCALL_64_after_hwframe+0x63/0xcd

Fixes: db1312dd9548 ("nvmet: implement basic In-Band Authentication")
Signed-off-by: Sagi Grimberg <sagi@grimberg.me>
Signed-off-by: Christoph Hellwig <hch@lst.de>
Signed-off-by: Sasha Levin <sashal@kernel.org>
```

Diffstat

-rw-r--r-- drivers/nvme/target/auth.c 2

1 files changed, 2 insertions, 0 deletions

```
diff --git a/drivers/nvme/target/auth.c b/drivers/nvme/target/auth.c
index c4113b43dbfeeb..4dcddcf95279b3 100644
--- a/drivers/nvme/target/auth.c
+++ b/drivers/nvme/target/auth.c
@@ -45,9 +45,11 @@ int nvmet_auth_set_key(struct nvmet_host *host, const char *secret,
        if (!dhchap_secret)
                return -ENOMEM;
        if (set_ctrl) {
+               kfree(host->dhchap_ctrl_secret);
                host->dhchap_ctrl_secret = strim(dhchap_secret);
```

```
                host->dhchap_ctrl_key_hash = key_hash;
        } else {
+               kfree(host->dhchap_secret);
                host->dhchap_secret = strim(dhchap_secret);
                host->dhchap_key_hash = key_hash;
        }
```